

Roll No.

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Total No. of Pages : 02

Total No. of Questions : 18

B.Voc. (Web Technology & Multimedia) (2019 Batch) (Sem.-1)

PROGRAMMING FUNDAMENTALS IN C++

Subject Code : BVWM-102-19

M.Code : 77170

Time : 3 Hrs.

Max. Marks : 60

INSTRUCTIONS TO CANDIDATES :

1. **SECTION-A** is **COMPULSORY** consisting of **TEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **FIVE** questions carrying **FIVE** marks each and students have to attempt any **FOUR** questions.
3. **SECTION-C** contains **THREE** questions carrying **TEN** marks each and students have to attempt any **TWO** questions.

SECTION-A**Answer briefly :**

- Q1. Why C++ is called object oriented programming?
- Q2. Write the syntax of writing comments in C++.
- Q3. What is polymorphism?
- Q4. What are public and private keywords?
- Q5. What do you mean by if-else ladder?
- Q6. Write a program to find the mean of 5 numbers.
- Q7. What is operator overloading?
- Q8. What is the advantage of switch statement over *If-Else* statement?
- Q9. Differentiate between *private* and *protected* class members.
- Q10. Discuss any two disadvantages of *Multiple inheritance*.

SECTION-B

- Q11. What are operators in C++? Explain the types of operators. How is the precedence and associativity of operators determined?
- Q12. Explain the stages of program execution in C/C++.
- Q13. Write short note on parameter passing in functions.
- Q14. Write a C++ program to swap two numbers with and without the use of third variable.
- Q15. Write a program to check whether a number is palindrome or not?

SECTION-C

Q16. Explain the following :

- a) Polymorphism in C++
- b) Classes in C++
- c) Data Abstraction in C++
- d) Inheritance in C++

Q17. Differentiate between the following :

- a) Formal and actual arguments
- b) Call by value and Call by reference.

Q18. Define Classes and Objects. Explain the different method to accessing members of class using an example.

NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.